

ACC NR: AP601012 (A) SOURCE CODE: UP/CD

AUTHORS: Yukel'son, I. I.; Garmenov, V. I.; Savchenko,  
Kolesnikova, O. G.

ORG: Voronezh Institute of Technology (Voronezh  
institut)

TITLE: Investigation of the polycondensation of diphenyl  
chloroethane in the presence of aluminum trichloride.  
of the products obtained

SOURCE: Vysokomolekulyarnye soyedineniya, v. 6

TOPIC TAGS: diphenylamine, aluminum chloride,  
polymer, molecular weight, catalyst, organo-alum.

ABSTRACT: The reaction of diphenyl with dichloromethane  
of the AlCl<sub>3</sub> results in the formation of a polymer. It was found that the molecular weight of polymer increases with the decrease of the diphenyl-to-dichloromethane ratio, of the former resulting in the formation of a cross-linked polymer. With the catalyst amount is increased, the yield first rises and then drops so that there is an optimum concentration for every diphenyl-to-dichloromethane ratio.

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UDC: 541.64+621.31

ACC NR: AP6010112

of 1.5:1.0, the molecular weight of 400, and the concentration. The kinetics of the reaction are described by the equation  $P = \frac{t}{19+1.675t}$ , where and  $t$  is the time from the beginning of the reaction. It follows from the IR spectrum that the polydiphenyl possesses a linear structure with ortho-para linkages. (Abstract has: 3 figures, 1 formula, and 1 tab.) (See abstract)

SUB CODE: 07/ SUBM DATE: 02Apr65/ 0777 27

Corr 2/2

YUKEL'SON, I.I.; NEKLYUDOV, N.F.; TEREKHIN, R.M.

Design of a batch-type reactor of varying volume. Izv. vys.  
ucheb. zav.; khim. i khim. tekhn. 8 no.3:488-490 '65.

(MIRA 18:10)

1. Voronezhskiy tekhnologicheskiy institut, kafedra tekhnologii  
osnovnogo organicheskogo sinteza i sinteticheskogo kauchuka.

YUKEL'SON, I.I.; KOZYREVA, Ye.F.; GARMONOV, V.I.; GLUKHOVSKIY, V.S.

Synthesis and optical properties of polyethylphenyleneethyl. Zhur. prikl. khim. 38 no.5:1165-1167 My '65. (MIRA 18:11)

1. Voronezhskiy tekhnologicheskiy institut.

L 24721-66 EWT(8)/EWP(3) DM

DD

ACC-NR: A1020052

DD

AUTHOR: Yukelson, I. I.; Boguslavskiy, E. A.

DD

ORG: none

TITLE: Preparation of Alloys of Iron and Steel  
Institute of Technology, Kiev, Ukraine

JOURNAL: Inzhenernye Materialy, Kiev, Ukraine

TOPIC: Metalurgy, Materials, Steel

ABSTRACT: An analysis is given of the possibility of  
dividing catalyst granules of iron and steel by temperature  
in the presence of water vapor. Calcined granules of steel or the iron are calcined

PUB CODE: 11/ PUBLICATION DATE: June

Card 1/16

UDC: 547.315.2.07

DD

IUKEL'SON, M.

Measuring labor productivity in granulated sugar production. Sets.  
trud. 5 no.12:136-137 D '60. (MIRA 14:6)

1. Krasnodarskiy nauchno-issledovatel'skiy institut pishchevoy  
promyshlennosti.  
(Krasnodar Territory—Sugar industry—Labor productivity)

YUKEL'SON, M.D.; SERERINSKAYA, R.A.; KOROBKA, Z.I.

Utilize the great potentials for the increase of sugar production  
in the Kuban. Sakh. prom, 37 no.8:56-57 Ag '63. (MIRA 16:8)

1. Krasnodarskiy nauchno-issledovatel'skiy institut pishchevoy  
promyshlennosti.  
(Kuban—Sugar industry)

KIRYUKHIN, Nikolay Kuz'mich; YUKEL'SON, N.Ye., red.; KAYDALOVA, M.D.,  
tekhn. red.

[Communist Youth Leaguers try to save billions of rubles] Za kom-  
somol'skie milliard! Khabarovsk, Khabarovskoe knizhnoe izd-vo,  
1958. 38 p.  
(MIRA 14:9)

1. Sekretar' Komsomol'skogo-na-Amure gorodskogo komiteta Vsescyuz-  
nogo Leninskogo Kommunisticheskogo soyuza molodezhi (for Kiryukhin).  
(Communist Youth League) (Efficiency, Industrial)

YURAM, U.P.

Category : USSR/Atomic and Molecular Physics - Heat

D-4

Abs Jour : Ref Zhur ~ Fizika, No 3, 1957, No 6323

Author : Chirkin, V.S., Yuken, V.F.

Title : Critical Point in Heat Removal from Boiling Water Flowing  
Through an Annular Gap.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, No 7, 1542-1555

Abstract : An experimental determination is made of the critical thermal loads in surface boiling of water in an annular gap for pressures up to 20 atmos. The experiments were carried out with stainless steel tubes and wires 1.5 -- 10.2 mm in diameter, 50 -- 60 mm long, with annular gaps of 0.5 -- 5.6 mm. The results of the dependence of the critical thermal load on the speed of the cooling water, temperature, pressure, and size of the gap are represented by means of formulae, tables, and graphs. The dependence of the critical thermal load on the gap is observed when the latter measures less than 2.5 mm. The effect of roughness of the walls is noted.

Card : 1/1

YUKHALENKO, O.L.

A typical rupture of the uterus in a pregnant woman before the beginning of labor. Akush. i gin. no.6:62-63 N-D '55 (MIRA 9:6)

1. Iz Kaliningradskoy bol'nitey (glavnnyy vrach L.Ya. Varshavskiy)  
(UTERUS--RUPTURE) (PREGNANCY, COMPLICATIONS OF)

YUKHALENKO, O.L.

Ovarian apoplexy in extrauterine pregnancy. Akush. i gin.  
33 no.1:99-100 Ja-F '57 (MLRA 10:4)

1. Iz Kaliningradskoy bol'nitsy (glavnnyy vrach L.Ya. Varshavskiy)  
oblzdravotdela.  
(PREGNANCY, EXTRAUTERINE) (OVARIES--DISEASES)

*Yukchakov, V.M.*  
USSR/Electricity - General Problems

G-1

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6925

Author : Yukchakov, V.I.

Title : Concerning the Change of Specific Charge of Conduction Electrons

Orig Pub : Zap. Leningr. znoch. industr. in-ta. Leningrad, LGU, 1955,  
55-62

Abstract : A brief treatment of the history of measurement of the specific charge of conduction electrons. By comparing the Coriolis and Lorenz forces it is deduced that the intensity of the magnetic field and the angular velocity of the body are equivalent in their effect on the conduction electrons. On the basis of this analogy, the author describes the inertia Hall effect, the electro-inertial induction, and the inertia galvanometer. In addition, three new methods are proposed for the measurement of the specific charge of conduction electrons. No special assumptions (for example concerning the statistics of the electrons) will play any role in the proposed methods, since they pertain equally well to all comparable effects.

Card : 1/1

RUMYANTSEV, A.F.; YEFIMOV, A.N.; TEPLOV, G.V.; LOKSHIN, Ye.; KARPENKO, A.P.; GRIGOR'YEV, A.; FILIPPOV, V.F.; PERESLEGIN, V.I.; VOLODARSKIY, L.M.; RIIKOJA, L., red.; JUHANI, I., red.; EINBERG, K., tekhn. red.

[Economy of socialist industrial enterprises; textbook] So-  
tsialistlike toostusettevotete ekonomika; opik. Tallinn, 1988.  
435 p. (MIRA 16:1)  
(Estonia—Industrial management)

YERMANOV, S.

Operation of the gas pipelines of Transcaucasia. ref. ref.  
no. 9; 20-23-463. (MFA 17:12)

1. Zakavkazskoye upravleniye magistral'nykh gazoprovodov.

ABDURASULOV, D.M.; AMIROVA, A.A.; FAZYLOV, A.A.; YUKHANANOV, I.Kh.

Use of ultrasonics in the diagnosis of diseases of the maxillary sinuses. Nov. med. tekhn. no.2:30-33 '64.

(MIRA 18:11)

POLYAKOV, V.G., inzh.; SIDORUK, N.S., inzh.; YUKHMANOVA, N.G.;  
SKORYKH, S.S.

Certain problems in the design of ore dressing plants. Gor.  
zhur. no. 11:67-70 N '60. (MIRA 1968)

1. Yuzhnnyy gorno-obogatitel'nyy kombinat (for Yukhmanova).
2. Nauchno-issledovatel'skiy geologo-razvedochnyy institut,  
Krivoy Rog (for Skorykh).  
(Ore dressing)

*Yukharin, V.I.*  
BELIAEV, V.N., and V.I. YUKHARIN

K voprosu o konstruktsii skorostnykh kryl'ev. (Tekhnika vozdushnogo flota, 1946,  
no.12, p.5-17, illus., diagrs.)

Title tr.: On the problem of high-speed wing construction.

TL504.T4 1946

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,  
1955.

YUKHARIN, V.I.

Index Aeronauticus  
Oct. 1953  
Vol. 9

177/910

629.13.012.311

Wing Design Problems in High-Speed Aircraft.

Tech. Lotn.

7(6), 157-167

Nov./Dec., 1952

Poland

3

(2)

Star  
Struck

W.N. Bielajew, W.I. Jucharin  
Paper translated from the Russian periodical "Technika Vozdushnogo Flota", No. 12, 1946. The authors discuss modern requirements of wing design, problems of strength and deformation, typical solutions and optimum conditions of design.

EH  
6-30-54

TUKHAG, A.

Effect of lime on the consumption of alkali during the Bayer process for hydargillite boshmite bauxites. TSvet. met. 38 no.1855 Ja '65 (MIRA 1882)

YUKHAS, A.; ORBANNE, F.; MATULA, M.

Structural modifications of sodium aluminosilicates. Zhur.prikl.  
khim. 37 no.7:1427-1435 J1 '64. (MIRA 18:4)

YUKHAS, A.

Red mud filtration at alumina plants of the Hungarian People's Republic. TSvet. met. 37 no.11:62-65 . 164. (MRA 184)

YUKHVETS, Izrail' Abramovich; GUTOVSKIY, B.P., inzh., retsenzent

[Drawing] Volochil'skoe proizvodstvo. Moscow, Metallurgija.  
Pt.1. Izd.2., perer. 1965. 374 p. (MIRA 18:3)

1. Gosudarstvennyy institut po proyektirovaniyu metiznykh  
zavodov (for Gutovskiy).

YUKHIDOV, Mikhail Yefimovich; MANUYLOV, Leonid Konstantinovich; OSIPOV,  
Kim Aleksandrovich; KOVALEV, A.M., inzh., ved. red.; ESTERKIS,  
M.A., inzh., red.; SMIRNOV, B.M., tekhn. red.

[Highly efficient methods of slitting shafts] Vysokoproizvoditel'nye metody obrazovaniia slitsev na valakh. Moskva, Filial  
Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Perevod  
voi nauchno-tehnicheskii i proizvodstvennyi optyt. Tema 10,  
No. M-58-90/18)

(MIRA 16:2)

(Metal cutting) (Shafting)

YUKHIM, I.Ya.

Safety measures for working with beryllium. Metalloved. i tenn. ch.  
met. no.11:39-41 N '64. (MIRA 18:4)

1. Moskovskiy institut stali i splavov.

PC109-65 SPA(b)-2/E/C(m)/EPP(c)/EPP(n)-2/WB/3nS(t), Sx  
CESSON NR: AP4049108 IJH(c)/AS(12)/ S/0129/64/000/011/00  
JD/WW/JW/00

UTHOR: Yukhim, I. Ya.

TITLE: Safety techniques for working with beryllium

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, 1980

TOPIC TAGS: beryllium, beryllium processing, safety measure

ABSTRACT: Safe techniques for handling soluble and insoluble forms of beryllium were considered in the light of data on the toxicity of its fluorides, chlorides, sulfides, oxides, pure beryllium dust, etc. From the ore and alloying it in air presents the added problem of dealing with beryllium vapor. The only solution is to effect operations in

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20109-5  
ACCESSION NR: AP4949108

Mixed with other materials in a sealed box with a pressure of 0.01 mm Hg. The air outside the box is kept at 1 m/sec. For more toxic compounds, the problem is more difficult. Other operations present other specific problems, but most are handled satisfactorily. The most important aspect of the problem is to keep the air pure. A suitable filter is a sleeve filter with inner workings of fine-mesh orlon which can withstand temperatures up to 400° F.

Card 2/2

YUKHIM, I. IA.

LIUL'YEV, B.V., kandidat tekhnicheskikh nauk, docent, v. u. N.S.R.: R.t.a.,  
inzhener; ERTE, I.A., inzhener.

Review of I.IA.Yukhim's and N.D.Zolotnitskii's books on safety engineering ("Safety measures in carpentry, stonemasonry and construction work," "Safety measures in pipe laying and plumbing," "Safety measures in mechanical woodworking, mechanical metalworking and forge work in building," I.IA. Yukhim, "Safety engineering in construction work," N.D.Zolotnitskii. Reviewed by B.V.Liul'ev, N.IA.Gurovskii, I.A.Erte).  
Gor.khoz.Mosk. 24 no.2:44-46 p '50. (MLRA 7:11)  
(Building--Safety measures)

YUKHIM, I. Ya.

Tekhnika bezopasnosti pri mekhanicheskoi obrabotke dereva, slesarno-mekhanicheskikh i kuzechnykh rabotakh na stroitel'stve. Moskva, Ugletekhizdat, 1949. 121 p. illus.

Bibliography: p. 119-(120).

Accident prevention during mechanical woodworking, assembling, fitting and forging works in civil engineering.

DLC: TJ1177.19

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

YUKHIMCHUK, D.F.

SARSATSKIKH, P.I., uchenyy lesoved.

Special conditions of landscaping roads not taken into account  
(Planting fruit trees along automobile highways." D.F. I.Ukhimchuk  
Reviewed by P.I.Sarsatskikh) Avt.dor.18 no.5:30 S'55.

(MLRA 9:1)

(Roadside improvement) (Yukhimchuk, D.F.)

YUZHINCHUK, Daniil Filippovich; GRISHKO, N.N., redaktor; PLOTNIKOV, S.A.,  
redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor

[Roadside improvement with fruit trees] Ozelenenie avtomobil'nykh  
dorog plodovymi derzv'iами. Pod red. N.N.Grishko. Moskva, Nauchno-  
tekhn. izd-vo avtotransp. lit-ry, 1955. 33 p. [Microfilm] (MIRA 10:6)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Grishko)  
(Roadside improvement)

YUKHIMCHUK, D.P.

[House plants] Komnatnoe tsvetovodstvo. Izd. 2-e, dop. Kiev, Gos.  
izd-vo selkhoz. lit-ry USSR, 1956. 151 p. (MLRA 10:1)  
(House plants) (Floriculture)

YUKHINCHUK, Daniil Filippovich; GRISHKO, N.N., akademik, red.; TEPLYAKOVA, A.,  
red.; BERBENETS, P., tekhn.red.

[Hedges; their arrangement and care] Zhivye izgorodi; ustroistvo  
i ukhod za nimi. Pod red. N.N.Grishko. Kiev, Gos. izd-vo  
lit-ry po stroyit. i arkhit. USSR, 1977. 90-p. (MIRA 11:5)

1. Akademiya nauk USSR (for Grishko)  
(Hedges)

*Cond.*  
YURKIMCHUK, D. F.: Master Biol Sci (diss) -- "A study of the biological aspects  
of plants when they are fertilized with carbon dioxide". Kiev, 1958. 12 pp  
(Acad Sci Ukr SSR, Dept of Biol Sci), 200 copies (KL, No 4, 1959, 125)

YUKHIMCHUK, D.P. [Yukhymchuk, D.P.]

Fertilizing plants with CO<sub>2</sub> gas. Trudy Bot.sada AN URSR

6:33-44 '59. (MIRA 13:5)

(Fertilizers and manures) (Carbon dioxide)

YUKHROV, A.K.; KNYAZEVA, R.A.

Changes in the absorption properties of the brain and kidney tissue under the influence of small doses of radioactive uranium-235 fission products introduced into the organism. Radio-biologiya 4 no.3:370-374 '64.

(MIRA 17:11)

*YUKHIMCHUK, F. F.*

USSR/Soil Science - Organic Fertilizers.

J-4

Abs Jour : Ref Zhur- Biol., No 9, 1958, 39035

Author : Yukhimchuk, F.F.

Inst :

Title : Different Forms of Utilization of Green Manure.

Orig Pub : V sb. Mestn. organ. udobreniya UkrSSR, Kiev, AN UkrSSR,  
1951, 156-172.

Abstract : According to data collected for many years by experimental stations of wooded districts of UkrSSR, yellow and narrow-bladed one-year lupines, serradilla and perennial lupine are the best soil enrichers. Every hectare of lupine crop is equal in fertilizing action to 30 - 40 t of manure. A method of application of lupine together with peat for fallow fields is offered. Peat is brought in the winter on the plowed black fallow, it is strewn in the spring over the field and then harrowed. The field is cultivated and harrowed before lupine sowing. When the green mass of lupine is plowed, peat is plowed with it.

Card 1/1

VLASYUK, P.A., otvetstvennyy red.; VASILENKO, A.I., red.; YUKHINCHUK, V.P.,  
kand.sel'skokhozyaystvennykh nauk, red.; ZELIGMAN, V.G., kand.  
tekhn.nauk, red.; KUKHARENKO, H.I., kand.biol.nauk, red.;  
MULYARSKIY, B.Ya., red.izd-va; SIVACHENKO, Ye.K., tekhn.red.

[Improving techniques of using fertilizers] Usovershenstvovanie  
tekhniki vneseniia udobrenii. Kiyev, 1955. 255 p. (MIRA 11:6)

1. Akademiya nauk URSR. Kiyev. Rada po vyvcheniyu produktivnykh  
sil URSR.
2. Deystvitel'nyy chlen Akademii nauk USSR i Vsesoyuznoy  
akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Vlasuk)
3. Deystvitel'nyy chlen Akademii nauk USSR (for Vasilenko)  
(Fertilizers and manures)

USSR / Soil Science. Organic Fertilizers! J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48675

Author : Yukhimchuk, F. F.

Inst : AS USSR

Title : Green Fertilizer - A Powerful Reserve for Increasing the Yields of Agricultural Crops

Orig Pub : V. sb.: Vopr. razvitiya s.-kh. Poles'ya. Kiyev,  
AN USSR, 1956 (1957), 91-96

Abstract : This is a summary of the data of the Novozybkovo and Poles'ye experimental stations on the study of green manuring for 1918-1952 period, and the study of the experiments on the use of lupine and serradilla (as additional sowing) as a green fertilizer in pure form and in combination with mineral fertilizers, on the collective and state farms of the Poles'ye zone of the Ukrainian SSR.

Card 1/2

USSR / Soil Science. Organic Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48675

The beneficial effect of P<sub>f</sub> is pointed out.  
Preparation of peat-lupine composts is recommended. -- N. P. Fedorova

Card 2/2

45

Country : USSR

Category: Cultivated Plants. General Problems.

M

Abs Jour: RZhBiol., No 11, 1958, 48823

Author : Yukhinchuk, F.

Inst : Chernigovskaya Oblast Scientific Society for the  
Dissemination of Political and Scientific Knowledge

Title : The Role of Crop Rotations in Increasing the Yields  
of Agricultural Crops at the Kolkhozes of Pol's'ye  
in Chernigovskaya Oblast'.

Orig Pub: Byul. sil's'kogospod. inform. Chernig. obl. vid.  
t-va dlya poshchir. polit. i nauk. znan', 1957, No 2,  
9-14

Abstract: No abstract.

Card : 1/1

M-2

YUKHIMCHUK, F.F.

YUKHIMCHUK, F.F.

Using forage lupine in field and forage crop rotations in the  
Ukrainian Polesye. Zemledelie 5 no.12:48-51 D '57. (MIRA 11:1)  
(Polesye--Lupina)  
(Rotation of crops)

YUKHIMCHUK, Fedor Filippovich [IUKHIMCHUK, F.P.], kand.sci'skokh.nauk;  
GIRKO, P.A. [HIRKO, P.A.], prof., red.; TUBOLEVA, M.V. [Tubolieva,  
M.Y.], red.

[Growing buckwheat in the Ukraine] Dosvid vyroshchuvannia hrechky  
na Ukrainsi. Kyiv, 1958. 37 p. (Tovarystvo dlia poshyrennia  
politychnykh i naukovykh znan' Ukrains'koj RSR. Ser.3, no.1)  
(Ukraine--Buckwheat) (HIRA 12:3)

TUKHIMCHUK, Fedor Filippovich [Tukhymchuk, F.P.], kand.sel'skokhoz.nauk;  
GURENKO, V.A. [Hurenko, V.A.], red.

[Lupins, an important forage crop] Liupyn - vazhlyva kormova  
kul'tura. Kyiv, 1960. 40 p. (Tovarystvo dlia poshyrannia poly-  
tychnykh i naukovykh znan' Ukrains'koj RSR. Ser.6, no.13).  
(MIRA 13:10)

(Lupins)

YUKHIMCHUK, Fedor Filippovich [IUkhymchuk, F.P.], kand. sel'khoz. nauk;  
GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Second and companion crops in Ukraine] Povtorni ta ushchil'nenni po-  
sivy na Ukrainsi. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia  
politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.13)  
(MIRA 14:11)

(Ukraine—Companion crops)

YUKHIMCEUK, Fedor Filippovich; OZERANSKIY, L.A., red.

[Lupine in agriculture] Liupin v zemledelii. Kiev,  
Gosselekhozizdat USSR. 1963. 357 p. (MIRA 17:12)

YUKHIMCHUK, F.F., doktor sel'skokhozyaystvennykh nauk; SHCHUR, M.I.

Lupine in the Polesye. Zemledelie 27 no.3z47-53 Mr '65.  
(MIRA 19z1)

1. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya.

YUKHIMCHUK, F.P.[Iukhymchuk, F.P.], otv. red.; VISHINSKIY, O.M.  
[Vishyns'kyi, O.M.], red.; GOLOMBA, R.A.[Holomba, R.A.]  
red.; DMITRENKO, P.O.[Dmytrenko, P.O.], doktor sel'khoz.  
nauk, red.; IL'YASHEJKO, M.G.[Illiashenko, M.H.], red.;  
KOLOBOV, O.M., red.; KUKSIN, M.V., red.; LAZURSKIY, O.V.  
[Lazurs'kyi, O.V.], kand. sel'khoz. nauk, red.; POPOV,  
F.A., red.; SAMBUR, G.M.[Sambur, H.M.], red.; SAMTSEVICH,  
S.A.[Samtsevych, S.A.], red.; FEDOROVA, N.A., kand. sel'khoz.  
nauk. red.; YASHOVSKIY, I.V.[Iashovs'kyi, I.V.], red.

[Nutrition and fertilizers of farm crops] Zhyvlennia ta  
udobrennia sil's'kohospodars'kykh kul'tur. Kiev, Urozhai,  
1964. 137 p. (MIRA 17:10)

1. Ukrains'kyj naukovo-doslidnyy instytut zemlerobstva.

YUKHIMCHUK, V.P. [Yukhymchuk, V.I.]

For a higher standard of our agriculture. Nauka i zhyttia 9  
no.10:32 0 '59. (MIHA 13:2)

1. Direktor Ukrainskogo nauchno-issledovatel'skogo instituta  
zemledeliya (Ukraine--Agricultural research)

YUKHIMCHUK, F.P.[Yukhymchuk, F.P.], otv. red.; VISHINSKIY, O.M.  
[Vyskyns'kyi, O.M.], red.; GOLOMBA, R.A.[Holomba, R.A.],  
red.; DMITRENKO, P.O.[Dmytrenko, P.O.], red.; IL'YASHENKO,  
M.G.[Illiashenko, M.H.], red.; KOLOBOV, O.M., red.;  
KUKSIN, M.V., red.; IAZURSKIY, O.V.[Lazurs'kyi, O.V.], red.;  
POPOV, F.A., red.; SAMBUR, G.M.[Sambur, H.M.], red.;  
SAMTSEVICH, S.A.[Samtsevych, S.A.], red.; FEDOROVA, N.A., red.;  
KATRENKO, K.A., red.

[Fertilizers and cultivation practices] Dobryva ta agrotekh-nika. Kyiv, Urozhai, 1964. 160 p. (MIRA 17:12)

1. Kiev, Ukrains'kyi naukovo-doslidnyi instytut zemlerobstva.

KIYAK, Grigoriy Stepanovich[Kyiak, H.S.]; PROSKURA, Il'ya Pavlovich;  
YUKHIMCHUK, F.P. [Ukhimchuk, F.P.], kand. sel'khoz. nauk,  
red.; LISOVICHENKO, Ya.V. [Lisovychenko, I.A.V.], red.;  
POTOTSKAYA, L.A. [Potots'ka, L.A.], tekhn. red.

[Cultivation practices and production of forage lupine seed  
in western areas of the Ukraine] Agrotehnika i nasinnytstvo  
kormovooho liupynu v zakhidnykh raionakh Ukrayiny. Kyiv, Vyda-  
vo Ukrainskoi Akad. sel'skhosp. nauk, 1962. 75 p.  
(MIRA 16:5)

(Ukraine—Lupine)  
(Ukraine—Seed production)

VLASYUK, P.A., akademik, ovtv. red.; GARKUSHA, M.A.[Harkusha, M.A.], red.; ZORIN, I.G.[Zorin, I.H.], red.; KOZIY, G.V.[Kozii,H.V.], prof., red.; KUKSIN, M.V., kand. sel'khoz.nauk, red.; CHERKASOVA, V.C., kand. sel'khoz.nauk, red.; YUKHEIMCHUK, F.P.[Iukhymchuk, F.I.], kand. sel'khoz.nauk, red.; LISOVICHENKO, Ya.V.[Lisovychenko, Ia.V.], kand. sel'khoz.nauk, red.; VIDONYAK, A.P., tekhn. red.

[Increasing the productivity of natural forage lenads in the Ukrainian S.S.R.; transactions of the session of the Department of Agricultures of the Ukrainian Scientific Research Institute of Agriculture] Pidvyshchennia produktyvnosti pryrodnykh kormovykh uhid' Ukrains'koi RSR; pratsi naukovoi sesii Viddilennia zemlerobstva. Kyiv, Vyadvnytstvo UASHN, 1960. 185 p. (MIRA 15:7)

1. Prezident Ukrainskoy akademii sel'skokhozyaystvennykh nauk (for Vlasyuk). 2. Sekretar Kiyevskogo oblastnogo komiteta Kommunisticheskoy Partii Ukrainskoy (for Garkusha). 3. Chlen-korrespondent Ukrainskoy akademii sel'skokhozyaystvennykh nauk, zamestitel' ministra sel'skogo khozyaystva USSR (for Zorin). 4. Nauchno-issledovatel'skiy institut zemledeliya i zhivotnovodstva zapadnykh rayonov USSR (for Koziy). 5. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya (for Kuksin). 6. Poltavskaya gosudarstvennaya sel'skokhozyaystvennaya issledovatel'skaya stantsiya (for Cherkasova).

(Ukraine—Pastures and meadows)

YUKHIMENKO, A.G., STURE, B.P.

Anchor bolt of plasticized wood. Ugol' 38 no.9:20-22  
S '63. (MIRA 16:11)

ACC NR: AM6028923

(N)

Monograph

UR/

Yukhimenko, Anatoliy Ivanovich; Berkovskiy, Boris Semenovich; Mirabel, Petr Petrovich; Yefremov, Ion Ivanovich; Panchenkov, Anatoliy Nikolaevich; Belinskiy, Vissarion Grigor'yevich; Koval'chuk, Sergey Viktorovich; Putilin, Svetozar Ivanovich; Roman, Vasiliy Mikhaylovich; Miodushevskaya, Alla Vladimirovna; Tkachenko, Irina Petrovna; Ivchenko, Vladimir Moiseyevich

Problems and methods of hydrodynamics of underwater wings and propellers (Zadachi i metody gidrodinamiki podvodnykh kryl'yev i vintov) Kiev, Izd-vo "Naukova dumka", 1966. 158 p. illus., biblio. (At head of title: Akademiya nauk Ukrainskoy SSR. Institut gidromekhaniki) 1,2000 copies printed.

TOPIC TAGS: dimensional flow, flow measurement, cavitation, ~~propulsion system~~, fluid mechanics, hydrodynamics, ship component, digital computer, computer calculation

PURPOSE AND COVERAGE: This book is intended for scientific and engineering personnel of research and design organizations specializing in high-speed hydrodynamics. The book discusses the hydrodynamics of bodies moving near an open surface, the discontinuity between liquids of different densities, and the development of cavitation. There are

Card 1/2

ACC NR: AM6028923

,74 references, 43 of which are Soviet.

TABLE OF CONTENTS [abridged]:

- Foreword -- 3  
Ch. I. Two-dimensional flow -- 6  
Ch. II. Three-dimensional flow -- 46  
Ch. III. Numerical method of calculating the hydromechanical characteristics of a foil on a digital computer -- 81  
Ch. IV. Fundamentals of the hydrodynamics of supercavitating propulsion systems -- 107  
References -- 157

SUB CODE: 40, 09/ SUBM DATE: 01Mar66/ ORIG REF: 044/ OTH REF: 030

Card 2/2

L 10501-63  
ACCESSION NO: AF3000461

REF ID: A2T(b)/A2T(d)/FAS/A2T(m)/EDG/P-2-1-AFM

S/CL

AUTHOR: Pancheikov, A. M. (Kiev); Yukhimenko, A. I. (Iz.)

PERIOD: Establishing the optimum relationships of planform position of a hydrofoil wing.

SOURCE: "Pravila po mehanike," v. 9, no. 3, 1961, p. 1.

TOPIC CODE: hydrofoil-motion parameter, hydrofoil-wing, dihedral.

The CCTC has critical optimal angles of attack of the hydrofoil, stability near the open water surface, and angle of the hydrofoil and relationships among them. The optimal angles are considered in various forms, such as the angle for the vertical and dihedral wings. These figures are built on the profile shape of the hydrofoil, relative chord of the foil, and angle of slope of the wing. A formula for the calculation of a number of these parameters is given. It is given in terms of multidimensional hydrodynamic coefficients, which are based on the wing lift coefficient.

1050-81

UDSSR. V. A. Kholod.

Selection of one of the other wing system can be made after  
the aerodynamic and hydrodynamic characteristics of the aircraft  
are determined. (fig. art. has 2 figures and 10 fig.)

UDSSR. V. A. Kholod. Aerodynamics and hydrodynamics of the  
airplane and aircraft engineering, M. USSR,

PUBLICATION: 1961, 2

DATE ACC: 19Jun73

115 COMP: 1

NO RDP GOW: 603

SECRET

L 36470-06 EMP(m)/EMP(k)/EMT(d)/EMT(l)/EMT(m)/EMP(w)/EMP(v) IJP(c) EM/W/EM/CD  
 ACC NR: AT6016719 (N) SOURCE CODE: UR/0000/65/000/000/0049/0055

AUTHOR: Yukhimenko, A. I.

49

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki B+1  
 AN UkrSSR)

TITLE: Flow around a hydrofoil of arbitrary shape on a free surface at  
 high velocities

SOURCE: AN UkrSSR. Gidrodinamika bol'sikh skorostey (High speed  
 hydrodynamics), no. 1, Kiev, Izd-vo Naukova dumka, 1965, 49-55

TOPIC TAGS: hydrofoil, fluid flow, boundary layer theory

ABSTRACT: In flow around a cylinder<sup>1/2</sup> on the surface of a fluid the  
 complex flow velocity can be expressed in dimensionless form, if all the  
 linear dimensions are related to the radius

$$V(u) = V_1(u) + V_2(u), \quad (1)$$

where

$$V_1(u) = \sum_{n=1}^{\infty} \frac{C_n}{U^n}; \quad (2)$$

Cord 1/2

$$V_2(u) = - \sum_{n=0}^{\infty} C_{n+1} U^n. \quad (3)$$

L 36470-66

ACC NR AT6016719

Such a connection between the separation coefficients  $V_1(u)$  and  $V_2(u)$  follows from the surrounding region theory, which states that, in the two dimensional eddyless flow of an incompressible ideal fluid with a complex potential  $f(u)$ , the complex potential for flow around a cylinder placed in this flow will have the form

$$W(u) = f(u) + i \left( \frac{R^2}{u} \right). \quad (4)$$

The author proceeds to solve the problem mathematically. Orig. art. has 24 formulas.

SUB CODE: 20/ SUBM DATE: 30Sep65/ ORIG REF: 006/ OTH REF: 001

Card 2/2 AB

L 38123-66 EMP(m)/EMT(l)/EMP(w) EM/WW/GD

ACC NR: AT6016721 (N) SOURCE CODE: UR/0000/65/000/000/0069/0073

AUTHOR: Yukhimenko, A. I.

42B+1

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki  
AN UkrSSR)TITLE: Flow around a plate on a free surface at high velocitiesSOURCE: AN UkrSSR. Gidrodinamika bol'shikh skorostey (High speed  
hydrodynamics), no. 1. Kiev, Izd-vo Naukova dumka, 1965, 69-73

TOPIC TAGS: fluid flow, boundary layer theory

ABSTRACT: The article uses the materials and the nomenclature given in  
a previous article, by the same author, in the same collection. The  
plate is obtained by reflection of the Zhukovskiy function

$$z = u + \frac{e^{2\lambda}}{u} \quad (1)$$

Then, the functions  $F_n(\lambda)$  and  $F_{-n}(\lambda)$  assume a particularly simple  
form

$$F_n(\lambda) = -2\pi(-i)^n J_{n-1}(2\lambda e^i) \quad (2)$$

$$F_{-n}(\lambda) = 2\pi(-i)^n J_{n+1}(2\lambda e^i) \quad (3)$$

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L 38123-66

ACC NR: AT6016721

The Kochin function  $H(\lambda)$  is introduced

$$H(0) = 2\pi e^{-\lambda i} \left[ \sum_{n=1}^{\infty} C_n (-i)^n I_{n-1}(2)e^{in} + \sum_{n=0}^{\infty} \bar{C}_{n+2} (-i)^n I_{n+1}(2)e^{in} \right]. \quad (4)$$

Next the functions  $K_n$  and  $K_{-n}$  are calculated

$$K_n(u) = -i^n \int_0^\infty e^{-2\lambda u} e^{-\lambda(u + \frac{1}{u})} I_{n-1}(2)e^{-iu} d\lambda; \quad (5)$$

$$K_{-n}(u) = i^n \int_0^\infty e^{-2\lambda u} e^{-\lambda(u + \frac{1}{u})} I_{n+1}(2)e^{-iu} d\lambda; \quad (6)$$

The final mathematical solution is arrived at by expansion into a power series and the introduction of Bessel functions. Orig. art. has: 10 formulas.

SUB CODE: 20/ SUBM DATE: 30Sep65.

Card 2/2 P

YUZHINENKO, I.J., LUSHCHIKOV, Yu.K.

Assembly line production of model footwear. Leg. prov. 17 no. 51  
40-43 May '57. (MLTA 10:6)  
(Shoe machinery) (Assembly line methods)

YUKHIMENKO, I.I., inzh.

New developments at enterprises of the Sverdlovsk Economic Council. Kozh.-obuy.prom. 2 no.6:8-9 Je '60. (MIRA 13:9)  
(Sverdlovsk Province--Shoe industry)

YUKHIMENKO, L.N.

Differential diagnosis of *Salmonella* and Bethesda-Ballerup with the  
KCN test. Zhur. mikrobiol., epid. i immun. 41 no.3:136-137 Mr '64.  
(MIRA 17:11.)

1. Khabarovskiy institut epidemiologii i mikrobiologii.

**YUKHIMENKO, L.N.**

Modifications of the Voges-Proskauer reaction. Lab. delo. no.1:  
49-50 '65. (MIRA 18:1)

1. Khabarovskiy nauchno-issledovatel'skiy institut epidemiologii  
i mikrobiologii (direktor I.Ye. Trop).

YUKHIMENKO, S.S.

Feeding habits of the sturgeons *Acipenser schrencki* Brandt and *Huso dauricus* (Georgi) in the lower Amur River. Vop. ikht. 3 no.2:  
311-318 '63. (MIRA 16:7)

1. Laboratoriya presnovodnykh ryb Amurskogo otdeleniya Tikhookeanskogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii, Khabarovsk.  
(Amur River--Fishes--Food) (Amur River--Sturgeons)

YUKHIMENKO, V.

~~Yattening and pasture feeding of cattle in the Ukraine. Mias.  
ind. SSSR. 25 no. 4:50-51 '54.~~

(MLRA 7:8)

1. Zamestitel' upravlyayushchego Ukrainskoy respublikanskoy  
skotzagotovitel'noy kontoroy.  
(Ukraine--Cattle--Feeding and feeding stuffs) (Cattle--  
Feeding and feeding stuffs--Ukraine)

YUKHIMENKO, V.

Fattening hogs in the Brovary stock fattening yards. Mias.ind.SSSR  
28 no.4:50-52 '57. (MLRA 10:7)  
(Brovary--Swine--Feeding and feeding stuffs)

YUKHIMENKO, V.

Unused possibilities for increasing meat resources. Mias. Ind.  
BSSR 29 no.3134-36 '58. (MIRA 11:6)

1. Zamestitel' naokhodka upravleniya myasnoy i molochnoy promys-  
lennosti Khersonskogo sovmarkhoza,  
(Meat industry)

YUKHIMENKO, V.

New conveyors, production lines, and production sections. Mias.  
ind.SSSR 31 no. 3: 34 '60. (MIRA 13:9)

1. Zaporozhskiy sovnarkhoz.  
(Zaporozh'ye Province--Meat industry--Equipment and supplies)

YUKHIMENKO, V.

Saving of two hundred thousand rubles, Mias.ind.SSSR 33  
no.2:25 '62. (MIFA 15:5)

1. Zaporozhskiy Sovet narodnogo khozyaystva,  
(Zaporozh'ye Province—Meat industry)

YUKHIMENKO, V. Ye., Cand Tech Sci -- (diss) "Research into the effect of the sizes of the combine reel radius on the loss of grain in crop harvesting." Khar'kov, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Polytechnic Inst im V. I. Lenin); 150 copies; free; (KL, 50-60) 34)

YUKHIMENKO, V.Ye.

Some remarks concerning the operation of row crop harvesters. Trakt,  
i sel'khozmash, 32 no. 7:22-25 Jl '62. (MIRA 15:?)

1. Dnepropetrovskiy sel'skokhozyaystvennyy institut.  
(Harvesting machinery)

TARASENKO, V.S., inzh.; YUKHEMETS, A.A., inzh.

Adaption of modern methods of precision casting in enterprises  
of the Kiev Economic Council. Mashinostroenie no. 5:15-16 S-0 '64  
(MIRA 18:2)

L 50157-22 (Soviet aircraft) 60  
ACCESSION NR: A5015806

SP. 3204.01

AUTHOR: Tsvetkov, V. S. (Enginer); Feshmate, I. A. (Editor)

TITLE: Putting new precision casting ~~to~~ <sup>of</sup> into use in  
Kievsky Sovzavod

SOURCE: Mashinostroyenie, no. 3, 1964, 15-16

INDUS. PART: Metallurgical industry metal casting

Abstract: Circular casting, die casting, and investment casting have gone into use at enterprises of the Soviet Union.

In 1961, as an example of total output of precision casting of shell solid casting, Chelyabinsk casting of metal casting has of a total of various parts, and the casting of precision casting has been refined at the Kirovograd plant of the Dnepropetrovsk factory and the plant, and the production of

as the improvement of quality, the introduction of a new shell casting, the introduction of a shell-lined casting.

In the first casting instead of flange casting, the shell will be the part, the casting allows the use of a new design, and the casting of a new design, and the

APPROVAL FOR RELEASE

The increased precision of machining the cores by employing a shell core provides a weight reduction which reduces machining time by one half. As a result of the new method at the Plant of the Kiev Bureau reduced and the annual savings will be more than \$100,000.

At present rates of 100,000 cores produced per year total output of finished articles will be reduced by 10% due to shell cores.

Experience in casting of the cores has been gained at the Zvezda Okeyev P. The development of the process of this method. Machining of cores after casting, preparing and impregnating cores is now being prepared.

Currently the MKTI is engaged in the preparation of industrial cores of production size. The first cores were cast at the Kiev Plant, and later at the Zvezda Okeyev P. The experience gained will be used for the preparation of cores for the production of the first series.

The introduction of production of cores by the new method will reduce the cost of cores by 10% and increase the quality of cores.

L

ACCESSION NO: A7018806

In 1963, the production of manganese ore amounted for 23% of the total output of copper in the Kirovskiy Basin.

This situation is explained by the small number of extraction facilities.

Universal metallurgical enterprises which are engaged in the extraction of iron and casting.

The main metallurgical enterprises are concentrated in simple plants which are not connected by railroads and which do not produce electric power and are situated in the northern regions.

The main metallurgical enterprises are situated in the northern regions and are not connected by railroads and which do not produce electric power.

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1  
ACCESSION NO: A10018406

ASSOCIATION: None

PUBLISHED: 0

REF ID: C1

VAL'ISKIJ, Ye.G., Inzh.; YUKHIMENK, A.A., Inzh.; TABASENKO, V.S., Inzh.;  
BULYAKIN, G.F., Inzh.

Gas furnace for a secondary smelting cast iron. Mashinostroenie  
no.5:68-70 S-0 '65. (MIRA 13:9)

YUKHIMETS, A.D.

Effect of turpentine on the renewal of protein bodies in regenerating tissue in experimental wounds [with summary in English, p.158] Vest. khir. 77 no.6:37-41 Je '56. (MIRA 9:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (i.o. zav. - dots. D.K. Grechishkin) i kafedry biologicheskoy khimii (zav. - dots. L.N. Zamanskiy) Chernovitskogo meditsinskogo instituta, Chernovtsi, ul. Voroshilova, d.17.

(WOUNDS AND INJURIES, experimental,  
eff. of turpentine on regen. (Rus))  
(TURPENTINE, effects,  
on exper. wds. regen. (Rus))

*Treatment*  
YUKHIMETS, A. D. Cand Med Sci -- (diss) "Therapy of Infected Wounds  
With ~~THYMOLICUM~~ Bukovina-Fir Turpentine (Resin)." Chernovtsy, 1957.  
20 pp 20 cm. (Min of Health Ukrainian SSR, Chernovtsy State Medical  
Inst), 200 copies {KL; 26-57, 11<sup>4</sup>)

- 135 -

YUKHIMETS, A.D.

ROMAN, L.I., doteent, YUKHIMETS, A.D., assistant

Hazards of use of penicillin in surgical practice [with summary  
in English], Vest,khir. 80 no.4:89-95 Ap'58 (MIRA 11:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - doteent  
D.K. Grachishkin) Chernovitskogo meditsinskogo instituta. Adres  
avtorov: Chernovtsev, Teatral'naya ul., d.2, meditsinskiy institut.  
(PENICILLIN, inj.eff.  
masking of dis. in surg. (Rus))

KOVALEV, M.M.; ZAMANSKIY, L.N.; YUKHIMETS, A.D.; SHVETS, A.S.; RUSNAK, I.K.

Pre- and postoperative oxidation-reduction processes in nodular  
endemic goiter. Probl. endok. i gorm. 10 no.5:37-40 S-0 '64.  
(MIRA 18:6)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. M.M. Kovalev) i  
kafedra biologicheskoy khimii (zav. - dotsent L.N. Zamanskiy)  
Chernovitskogo meditsinskogo instituta.

YUKHIMETS, A.D., ZHILA, YE.S., ZAMANSKIY, L.N., KAPRALOVA, YE.V.,  
KATS, S.I., LOPUSHANSKIY, A.I., SIVER, P.YA. (USSR)

"Some Data on the Biochemistry of the Enhancement  
of Regeneration."

Report presented at the 5th Int'l. Biochemistry Congress,  
Moscow, 10-16 Aug 1961

YUKHIMETS, M. I.

[Instructions for incubating grains and feeding silkworms on  
Ukrainian collective farms] Agrovkazivky po inkubatsii hreny i  
provedenniu vyyhodovuvannia tutovoho shovkopriada v kolhospakh  
Ukrainskoj RSR. Kyiv, 1951. 25 p. (MIRA 11:1)  
(Ukraine--Sericulture)

SIROTINA, N.I.; TITOVA, O.N.; YUKHIMETS', N.I.

Selection of healthy silk-seed for increasing the productivity of  
tussah moths. Visnyk AN URSR-26 no.10:42-46 O '55. (MIEA 9:1)  
(Sericulture)

YUKHIN, A. I., inzh.; PLOTKIN, D. G., inzh.

Universal stand for the welding of shells and sheets. Svar.  
(MIRA 15:10)  
proizv. no.10:36 O '62.

1. Karacharovskiy mekhanicheskiy zavod.

(Sheet steel—Welding)  
(Electric welding—Equipment and supplies)

YUKHIN, A.I., inzh.

Nozzle tip for welding in carbon dioxide. Svar. proizv. no.10:40  
O '63. (MIRA 16:11)

1. Karacharovskiy mekhanicheskiy zavod.

24.3700 ~1057 1051 1138  
3,2100 (1062)

27091

S/154/61/000/003/002/002  
D054/D112

AUTHOR: Yukhin, I.I., Engineer

TITLE: A method of optical compensation for linear shift of the image  
in vertical-panoramic photography

PERIODICAL: Vysshie uchebnyye zavedeniya. Izvestiya. Geodeziya i aero-  
fotos"yemka, no. 3, 1961, 127-138

TEXT: The author proposes a theoretical solution to the problem of optically compensating for the linear shift of the image in vertical panoramic photography, when a ПШАФА(ShChAFA) panoramic camera with a focal-plane shutter is used and the airphotos are made by central projection on to a cylindrical surface. The advantage of this camera is that, although relatively small, it can be used to obtain panoramic airphotos with a large angle of view (up to 180°) even with a narrow-angle long-focus lens ( $2\beta < 25^\circ$ ,  $f > 400$  mm). This is achieved by the use of a focal-plane shutter and by the rotation of the camera about the panning axis. As this article is concerned with developing a method of compensating for the linear shift of the image,

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S/154/61/000/003/002/002  
D054/D112

A method of optical compensation...

the question of the accuracy of such a compensation is not dealt with. The linear shift of the image, caused by the high speed motion of the aircraft, deteriorates the resolving power and the interpretation qualities of the air-photo. The simplest way of compensating this is to deflect the pencil of image rays by a mirror rotated at an angular speed corresponding to the speed of displacement of definite points on the image. The mirror rotates about its axis parallel to the film and perpendicularly to the direction of image displacement. The author develops a series of formulas for calculating the correlation between the angular speed of the rotating mirror and the speed of the panning operation, and describes the compensation unit, which automatically turns the mirror by the necessary angles in accordance with the speed and the height of the aircraft and the deflection angle of the image rays in the plane perpendicular to the line of flight of the aircraft. The unit is mounted on the PShChAFA camera. The kinematic system of the camera and compensation unit is shown in Fig. 4, in which the electric motor(19), film rolls(16)and (24), the roller (17), the measuring drum (22) which pulls the film, the entire driving gear (20), (21), (23)and (27), the worm (26), the slotted cassette (18)and the objective (29)are coupled with the rotating body (5)of the camera, which is placed in a stationary body 1 and rotates on roller bearings. The worm gear(28)and the bevel gear (3)are fixed on the stationary

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S/154/61/000/003/002/002

D054/D112

A method of optical compensation...

body (1). When the motor is switched-in, the worm runs around the stationary worm gear and rotates the camera. At the same time, the film is moved at a certain speed in front of the slot. The kinetic elements (2, 12, 11, 9, 8, 7, 5, 6, 10, and 13) are fixed on the mirror unit. The mirror (4), installed in front of the objective, and the above-mentioned elements all rotate about the axis I-I which coincides with the main optical axis of the objective. When the camera rotates about the axis I-I, the bevel gear (2) runs around the bevel gear (3) and produces a rotary motion which is transmitted to the axle of the sine-shaped cam (5) by the spur gears (12, 11, 9, 8, 7), under the pressure of the spring (14) the rod (10) kinematically contacts the cam (5) which imparts a reciprocal motion to the rod (10). This rod is engaged with the sector (13), which is rigidly coupled with the axis II-II of the mirror. The rotation of the sector (13) causes the mirror to rotate through definite angles in relation to the axis II-II. The magnitudes of these angles are regulated by the rotation of the sine-shaped cam (5). A given magnitude of this angle corresponds to a definite lifting of the cam at a corresponding position of the optical axis of the camera. As the profile of the cam (5) depends on the turn angle of the camera its angular rotation speed is equal to the angular rotation speed of the camera. The radius of the sector (13) of the compensa-

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A method of optical compensation...

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S/154/61/000/003/002/002  
D054/D112

tion unit must be numerically equal to the scale of the construction of the sine-shaped cam(5). There are 3 Soviet references and 5 figures.

SUBMITTED: June 30, 1960

Card 4/5

X

YUKHIN, I. V.

Mountaineering; program of physical education in schools Moskva, Fizkul'tura i sport, 1940. 114 p. (49-56654)

G510.R83 1940

YUKHIN, I.V.

SIMONOV, Ye.D., redaktor; ROTOTAYEV, P.S., redaktor; BOROVIKOV, A.M.,  
redaktor; BULGAKOV, N.V., redaktor; GARY, B.A., redaktor; GVOZDEV-  
SKIY, N.A., redaktor; YEZERSKIY, Ye.M., redaktor; ZATULOVSKIY,  
D.M., redaktor; IVANOV, A.I., redaktor; KUZ'MIN, K.K., redaktor;  
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NEBYUTSKIY, V.V., red.; ROTOTAYEV, P.S., red.; SIMONOV, Ye.D., red.;  
TUSHINSKIY, G.K., red.; YUKHIN, I.V., red.; DORRONRAVOVA, K.O., red.;  
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Conservative treatment of the dislocation of the acromia.

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ACC NR: AP6010045

SOURCE CODE: UR/0209/66/000/003/0052/0054

AUTHOR: Yukhin, V. (Major of the Guards)

ORG: none

TITLE: The staff and the combat skill of flyers

SOURCE: Aviatsiya i kosmonavtika, no. 3, 1986, 52-54

TOPIC TAGS: flying training, flight training, military personnel, military training

ABSTRACT: The article discusses the role of the staff in flight-training units. Particular emphasis is placed on tactical training, which is considered to be the "second weapon of the aviator," and is under the constant supervision of the staff. The author stresses the need to dispel the impression that the staff is concerned with planning alone, yet admits that its activities have not always been sufficiently comprehensive. Concrete examples of staff involvement in flight and tactical training in the author's unit are presented. Mention is made of improvements in training resulting from more direct participation of staff members in the supervision and planning of training activities. The author concludes that staff officers help the command to solve problems of training and military preparedness in units.

Card 1/1 SUB CODE: 05, 15/SUBM DATE: none/

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